

THOMAS W. BARNES, Ph.D  
PATENT AGENT  
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April 16, 2007

Commissioner for Patents  
Post Office Box 1450  
Alexandria, Virginia 22313-1450

**RE: SUBMISSION OF INFORMATION DISCLOSURE STATEMENT**

**Applicant** : MOHAN, et al.  
**Serial No.** : 10/665,330  
**Filed on** : SEPTEMBER 19, 2003  
**Title** : LOW DENSITY PAPERBOARD ARTICLES  
**Our Ref.** : BLB-024566-V2

Dear Commissioner:

Enclosed herewith for filing, Applicant(s) respectfully submit(s) the following checked items:

- ☐ Information Disclosure Statement by Applicant(s), \_\_\_\_\_ sheet(s), to which Form PTO/SB/08, \_\_\_\_\_ sheet(s), has been attached along with a copy of each reference(s) cited thereon;
- ☒ Supplemental Information Disclosure Statement by Applicant(s), 2 sheet(s), to which Form PTO/SB/08, 5 sheet(s), has been attached along with a copy of each reference(s) cited thereon; and,
- ☒ a postage-prepaid, return-receipt postcard with a listing of the above-checked items.

Please stamp the enclosed postcard and return same to me to indicate your receipt of the above-listed items. Please feel free to contact me if you have any questions concerning the above or the enclosed.

With kindest regards,

  
Thomas W. Barnes  
Agent for Applicant(s)

Enclosures  
TWB/jat

**CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 C.F.R. § 1.8**

The undersigned hereby certifies that a true and accurate copy of the documents checked hereon, together with all attachments referred-to herein, is being transmitted to the Honorable Commissioner for Patents, either by first-class mail, postage prepaid, addressed to Commissioner for Patents, Post Office Box 1450, Alexandria, Virginia 22313-1450, or by facsimile transmission to the facsimile number indicated hereon, on this the 16th day of APRIL, 2007.

  
JANE A. TOMLINSON



UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C., UNITED STATES OF AMERICA

In re Application of:

Applicant(s): MOHAN, et al.

Serial No.: 10/665,330

Filing Date: SEPTEMBER 19, 2003

Entitled: LOW DENSITY PAPERBOARD ARTICLES

Our File Ref.: BLB-024566-V2

Examiner: JOSE A. FORTUNA

Group Art Unit: 1731

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
SUBMITTED PURSUANT TO 37 C.F.R. 1.97(b)(3)**

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Commissioner for Patents  
United States Patent and Trademark Office  
Post Office Box 1450  
Alexandria, Virginia 22313-1450

Dear Commissioner:

In accordance with the duty of disclosure under 37 C.F.R. 1.56, Applicant(s) hereby notifies the U.S. Patent and Trademark Office of certain documents which the Examiner might deem relevant to the issue of patentability of the claims pending in the above-referenced patent application. Enclosed herewith please find Form PTO/SB/08, Information Disclosure Statement by Applicant, 5 sheet(s), and a copy of each reference cited thereon.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits. As such, neither a fee under 37 C.F.R. 1.17(p) nor a statement under 37 C.F.R. 1.97(e) is required; Applicant(s) respectfully requests pursuant to 37 C.F.R. 1.97(b)(3) that the Examiner considers each of the references disclosed herewith.

The submission of the documents enclosed herewith is not intended as an admission that such documents constitute prior art under Title 35 of the United States Code, as against the claims of the above-referenced patent application. Applicant(s) does not waive any right to take

action that would be appropriate to antedate or otherwise overcome the use of any document submitted herewith as prior art under Title 35 of the United States Code.

Applicant(s) respectfully requests that the Examiner initial each of the references listed on the attached Form PTO/SB/08 and return same to the undersigned attorney in accordance with MPEP 609.

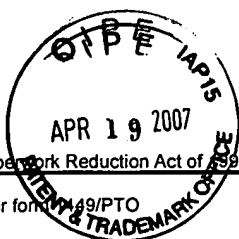
Should the Examiner have any questions relating to the submission of the within Information Disclosure Statement or relating to the copies submitted therewith, Applicant(s) respectfully request that the Examiner contact the undersigned counsel, who can be reached at the telephone numbers listed below.

Respectfully submitted,



Date: 4/16/2007

Thomas W. Barnes, III Reg. 52,595  
Counsel for Applicant  
International Paper Company  
6285 Tri-Ridge Boulevard  
Loveland, Ohio 45140  
513.248.6000 telephone  
513.248.6455 facsimile



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Substitute for form PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 5

**Complete if Known**

Application Number	10/665,330
Filing Date	SEPTEMBER 19, 2003
First Named Inventor	MOHAN, et al.
Art Unit	1731
Examiner Name	FORTUNA, JOSE A.
Attorney Docket Number	BLB-024566-V2

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A	US- 3,293,114	12-20-1966	KENAGA, et al.	
	B	US- 3,357,322	01-12-1965	L. D. GILL	
	C	US- 3,468,467	09-23-1969	S. W AMBERG	
	D	US- 3,556,934	01-19-1971	FRED J. MEYER	
	E	US- 3,615,972	10-26-1971	MOREHOUSE JR, et al.	
	F	US- 3,779,951	12-18-1973	ROBERT J. STREU	
	G	US- 3,785,254	01-15-1974	ROBERT H. MANN	
	H	US- 3,819,470	06-25-1974	SHAW, et al.	
	I	US- 3,941,634	03-02-1976	FNISSE, et al.	
	J	US- 4,051,277	09-27-1977	WILKINSON, et al.	
	K	US- 4,133,688	01-09-1979	WIELAND H. SACK	
	L	US- 4,179,546	12-18-1979	GARNER, et al.	
	M	US- 4,233,325	11-11-1980	SLANGAN, et al.	
	N	US- 4,237,171	12-02-1980	LAAGE, et al.	
	O	US- 4,241,125	12-23-1980	CANNING, et al.	
	P	US- 4,324,753	04-13-1982	ROBERT A. GILL	
	Q	US- 4,435,344	03-06-1984	AKIRA IIOKA	
	R	US- 4,451,585	05-29-1984	BENGT ANDERSSON	
	S	US- 4,483,889	11-20-1984	BENGT ANDERSSON	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				
	F1	JP 2669767	1997	OJI PAPER CO.		
		EP0596750(english)				
		06-191606-JPabstract				

Examiner  
SignatureDate  
Considered

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/665,330
Filing Date	SEPTEMBER 19, 2003
First Named Inventor	MOHAN, et al.
Art Unit	1731
Examiner Name	FORTUNA, JOSE A.
Attorney Docket Number	BLB-024566-V2

Sheet 2 of 5

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		Number-Kind Code <sup>2</sup> (if known)			
	T	US- 4,548,349	10-22-1985	ROBERT A. TUNBERG	
	U	US- 4,581,285	04-05-1986	MAHEFKEY, JR. et al.	
	V	US- 4,617,223	10-14-1986	HISCOCK, et al.	
	W	US- 4,619,734	10-28-1986	INGMAR A. ANDERSSON	
	X	US- 4,777,930	10-18-1988	MARVIN E. HARTZ	
	Y	US- 4,781,243	11-01-1988	VOGEL, et al.	
	Z	US- 4,836,400	06-06-1989	CHAFFEY, et al.	
	A1	US- 4,898,752	02-06-1990	CAVAGNA, et al.	
	A2	US- 4,902,722	02-20-1990	GEORGE E. MELBER	
	A3	US- 4,946,737	08-07-1990	LINDEMAN, et al.	
	A4	US- 4,982,722	01-08-1991	W. BURK WYATT	
	A5	US- 4,988,478	01-29-1991	KURT HELD	
	A6	US- 5,092,485	03-03-1992	T.T. LEE	
	A7	US- 5,096,650	03-17-1992	DOUGLAS J. RENNA	
	A8	US- 5,125,996	06-30-1992	CAMPBELL, et al.	
	A9	US- 5,145,107	09-08-1992	SILVER, et al.	
	B1	US- 5,226,585	07-13-1993	RICHARD VARANO	
	B2	US- 5,363,982	11-15-1994	CLAUS E. SADLIER	
	B3	US- 5,370,814	12-06-1994	IVAL O. SALYER	

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Sheet

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	B4	US- 5,424,519	06-13-1995	GIDEON SALEE	
	B5	US- 5,454,471	10-03-1995	JEAN NORVELL	
	B6	US- 5,477,917	12-26-1995	IVAL O. SALYER	
	B7	US- 5,478,988	12-26-1995	HUGHES, et al.	
	B8	US- 5,490,631	02-13-1996	IIOKA, et al.	
	B9	US- 5,499,460	03-19-1996	BRYANT, et al.	
	C1	US- 5,520,103	05-28-1996	ZIELINSKI, et al.	
	C2	US- 5,601,744	02-11-1997	WAYNE D. BALDWIN	
	C3	US- 5,637,389	06-10-1997	COLVIN, et al.	
	C4	US- 5,705,242	01-06-1998	ANDERSEN, et al.	
	C5	US- 5,759,624	06-02-1998	NEALE, et al.	
	C6	US- 5,792,398	08-11-1998	BENGT ANDERSSON	
	C7	US- 5,800,676	09-01-1998	KOLKE, et al.	
	C8	US- 5,880,435	03-09-1999	WILLIAM M. BOSTIC	
	C9	US- 5,884,006	03-16-1999	FROHLICH, et al.	
	D1	US- 5,952,068	09-14-1999	NEALE, et al.	
		US-			
		US-			
		US-			

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
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		Filing Date	SEPTEMBER 19, 2003		
		First Named Inventor	MOHAN, et al.		
		Art Unit	1731		
		Examiner Name	FORTUNA, JOSE A.		
Sheet	4	of	5	Attorney Docket Number	BLB-024566-V2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A	Tappi/May 1972, Vol. 55, No. 5, pg. 770-771	
	B	Tappi/December 1973, Vol. 56, No. 12, pg. 158-160	
	C	"The Use of Microspheres to Improve Paper Properties", by Soderberg, Paper Technology, August 1989, pgs. VIII/17-VII/21	
	D	"XPANCEL" An Introduction, a publication from Expancel, Box 13000, S0-850 13 Sundsvall, SWEDEN	
	E	"The Application of Microspheres for the Production of High Bulk Papers", by M. Baumeister, Das Papier, Vol. 26, no. 10A: 716-720 (1972)	
	F	"Microspheres find use as fiber replacement in low-density board", by David O. Bowen, Pulp & Paper November 1976, pg. 126-127	

Examiner Signature	Date Considered
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	G	EXPANCEL - Expandable Microspheres in Paper and Board, by Mark Lunabba, KemaNord Plast AB, Sector Microspheres, Box 13000, S-850 13 Sundsvall, SWEDEN	
	H	"Expandable Microspheres in Board", World Pulp & Paper Technology, pgs, 143-145	
	I	"Foams on the Cutting Edge", by Ray Erikson, January 1999	

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